GRUMMAN plane news

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Navy Secretary Warner rides Tomcat to Miramar ceremony

MIRAMAR, CALIF.—In the life of an aircraft, as in that of a person, there are big anniversaries along the way. And for the F-14, one of those very significant occasions occurred here quite recently.

The first two Tomcat squadrons, VF-1 and VF-2, were commissioned October 14 in ceremonies at Miramar Naval Air Station, near San Diego, Calif., with Secretary of the Navy John W. Warner officiating.

Secretary Warner flew to NAS Miramar from NAS Point Mugu in the back seat of Tomcat No. 5, piloted by Lt. Jim Coleman.

Approximately 1,000 people, predominantly Navy personnel, attended the affair, in which Cdr. Rene (Sam) Leeds and Cdr. Dick Martin took command of squadrons VF-1 and VF-2, respectively,

In addition, the Secretary awarded the Navy Cross to two Vietnam aces, Lt. Randy Cunningham, and Lt. (j.g.) Willy Driscoll.

'Most flexible'

The formal program began with the introduction of Adm. Bernard A. Clarey, Commander in Chief of the U.S. Pacific Fleet, by Vice Adm. Thomas J. Walker, who is Commander Naval Air, Pacific. Admiral Clarey then introduced the Secretary, who remarked that the F-14 was "the world's most flexible weapons system," and that "some problems remain, but we are confident we will solve them and bring the F-14 into the Fleet."

Designed as the world's finest air superiority fighter, the Tomcat is scheduled to be deployed aboard the USS Enterprise next July.

More to come

In addition to the Tomcat delivered at Miramar on the 14th, four more are to be at Miramar during the month. Each of the new squadrons will have 12 Tomcats.

Among those attending the commissioning for Grumman were Joe Gavin, President of Grumman Aerospace, Vice Presidents Mike Pelehach and Jack Rettaliata, Joe Rees, deputy director of the Tomcat program, Tom Kane, director of Business Development, Chief Test Pilot Chuck Sewell, Terry Newitt, West Coast Field Service supervisor, and Tom Brancati, Grumman's Base Manager at Point Mugu.

But, as a Navy release pointed out, the commissioning was ". . . just part of the continuing F-14 story which began some four years ago with the requirement for a Navy fighter capable of superiority through the 1980s." And indeed, that job is going on at Calverton, Bethpage, and Mugu.

As of the tenth of October, a total of 18 Tomcats have flown 1,576.1 flight hours in 817 flights. The aircraft explored the low- and high-speed flight regimes, systems demonstrations, missile separation and tracking, aerodynamic performance, and so on.

Navy Chief. John W. Warner, Secretary of the Navy, gets an assist from Navy crefman after his arrival in Grumman Tomcat at the Naval Air Station, Miramar, Calif. About 1,000 people were on hand to greet the Navy Secretary at Miramar where he officiated in the commissioning ceremonies for first two Navy F-14 squadrons.

Warm sendoff. Navy Secretary John Warner, who flew in to commissioning ceremonies at Miramar aboard Tomcat No. 5, offers best wishes to first F-14 squadron commanders, Cdr. Sam Leeds (L) and Cdr. Dick Martin. About 1,000 people attended the ceremony.

Tomcat joins the Fleet

Top brass. Among Navy officials attending were (L to R) Vice Adm. William Houser, Deputy Chief of Naval Operations for Air; Adm. Bernard Clarey, Commander-in-Chief, Pacific Fleet; Cdr. Leeds; Capt. Scott Lamoreaux, Commander Naval Air, Miramar; Cdr. Martin; Vice Adm. Thomas Walker, Commander Naval Air, Pacific. At left, Joe Gavin and Tom Kane chat with Adm. Houser, and Vice President Mike Pelehach and Sr. Vice President John Richardson of Hughes meet with Navy Secretary Warner.

Townsend elected to presidency of Grumman International

Robert Lee Townsend, Deputy to the Chief Executive Officer of Grumman Aerospace, on October 6 was elected President of Grumman International Inc. His office is in Plant 5, Ext. 3856.

Bob Townsend

Bob Townsend has had a long career in the Navy and Naval Aviation, beginning at Annapolis and continuing until he retired from active duty in March, 1972.

A graduate of the Naval Academy, he completed flight training at Pensacola, and a post graduate course in aeronautical engineering, receiving a Master of Science degree from the Massachusetts Institute of Technology. He is also a graduate of the National War College, Washington, D. C.

During World War II he assisted in fitting out the carriers USS Cordova and USS Wake Island, and then joined the USS Tripoli as an air officer, and later, executive officer.

Carrier skipper

After the war, he helped establish and then served in the Plans Coordination Division of the Bureau of Aeronautics, and with the Office of the Chief of Naval Operations, where he was head of the Weapons Branch of the Atomic Energy Division; also, he was Special Weapons and Plans Officer on the staff of the Commander in Chief, U.S. Atlantic Fleet.

He commanded Heavy Attack Squadron Six, and later, the aircraft carrier USS Kearsarge. His varied responsibilities with the Navy led to his selection as Rear Admiral, and he assumed command of Carrier Division 17. He was the Assistant Chief of the Bureau of Naval Weapons for Financial Management, and later the Commander, Carrier Division 6 and Task Force Sixty with the Sixth Fleet. He returned to Washington and helped organize and then commanded the Naval Air Systems Command. He was then promoted to Vice Admiral and commanded the Naval Air Force Atlantic Fleet until retirement. He holds two Distinguished Service medals and six other medals.

Bob Townsend and his wife, Elizabeth, now live in Locust Valley. They have a married daughter in Houston, Texas.

Happy birthday! It was the U.S. Navy's 197th birthday on Oct. 13 and that called for a world-wide celebration. At Bethpage, Rear Adm. Clyde Andrews, Naval Air Systems Command Representative, Atlantic, spoke to a luncheon group on the significance of the day. Adm. Andrews (R) is shown displaying memento of the occasion—pictorial exhibit of Navy planes made by Grumman—with Capt. Bob Belter, Naval Plant Representative, and Bill Zarkowsky, Vice Chairman of Grumman Aerospace Board. (Photo by Jim Wagner)

Readying last Apollo spacecraft for December 6 launch at KSC

There's just a little more than a month to go for the last Apollo mission to the moon.

Time slips by . . . less as a gently flowing river than as a sneaky thunderbolt. It's difficult to grasp, in a way, for what many saw as the electrifying accomplishment of the century—landing men on the moon—is about to be passé. The end of an era. It all happens so quickly.

Of course, it isn't over yet: liftoff for Apollo 17 occurs on the evening of December 6, splashdown December 19. That, at least, is the schedule; and since each mission has seemed to be better than the one preceding, there appears to be little cause for concern.

'Cleanest' yet

In fact, Don Schlegel, assistant program manager for LM, says the LM at the launch pad is the "cleanest" one the program has seen. "On the initial FRR (Flight Readiness Review) with NASA on October 13, there were no requests for action—in other words, nothing that called for special check. That's the first time that that's ever happened."

So LM-12 Apollo 17 is sitting pretty as of now.

All of which should make the crew—Gene Cernan, commander, Harrison (Jack) Schmitt, LM pilot, and Ron Evans, command service pilot—rather confident about their lunar voyage. They are to land in the Taurus-Littrow area of the moon, one featuring a plain, but getting there may be tough: they must fly over a mountainous region to land close to a cliff. A tight spot.

But that's in the future. The immediate items now are a formal FRR (scheduled for today), the final FRR on November 2, propellant loading November 6-10, and launch December 6.

Pull the lever!

To provide time for voting on Election Day, Tuesday, November 7, personnel on all shifts will report for work at their regularly scheduled starting time, but will terminate their shift two hours earlier than regular quitting time.

Everyone actively employed will receive two hours' pay in addition to their pay for the scheduled time actually worked during that day.

Don't forget that the day after Thanksgiving will be a holiday to make a splendid four-day weekend, for raking the rest of the leaves, watching games, or going on a shopping binge.

And don't forget to turn your clocks back an hour this Sunday, October 29.

Note that Plane News publication dates in November will be Monday, the 13th and the 27th.

Golden Prowler awards

Vice President Bob Miller and Cdr. Bob Fraser had a happy chore at Naval Air Station, Whidbey Island, Wash., recently. Miller, EA-6B Program director, and Fraser, skipper for VAQ-129, presented Golden Prowler awards to an EA-6B air crew—Cdr. Norm Davis, Lt. Cdr. Dave Berry, and Lt. Jim Low—as winners of the first annual competitive exercise for EA-6B aircrews at Whidbey. Awards were based on the crew's skill in navigation, airmanship, and operation of the tactical jamming system.

service milestones

35

Frank Gruszczynski, Steel Parts Assem. (2)

30

James N. Hodder, Proj. Prop. (1)
John P. Zurich, Prog. Engg. Mgrs. (1)
Nelson J. Vosburgh, Ctrls. (2)
Kenneth A. Rhodes, Tool Ctrl. (2)
Clarence W. Hulse, Fluid & Mech. Tool & Equip. (2)
Frances O. Connell, Tele. Serv. (2)
John J. Logalbo, QC Labs (2)
Charles A. Yula, ESO (2)
Wilmer T. Pohley, Engraving (3)
William O. Wilson, Wing Final Assem. (3)
Robert M. Ballarine, Mach. Oper. (3)
Frank Kirby, Space Mgmt. & Staff (5)
Charles D. Dochtermann, Plt. Stores (6)
Mary Quist, Air Traf. & Radio Comm. (7)
Walter Herr, QC Qual. Engg. (15)
James A. Nelson, Traffic (17)
Alexander J. De Lorenzo, Trans-Oper. (20)
Lawrence M. Holzapfel, Dist.-Mgmt. & Staff (30)
Federico De Rota, GSE Mech. (33)
Joseph Ruff, Info. Rec. & Serv. (35)
Vincent O. Gagnon, QC Insp. Mgmt. (35)
Harry G. Richdale, MSC Mfg. Shops (52)
Charles F. Riley, Facil. (77)
John J. Mason, Grumman Internat'l. (41)

25

Zigmund J. Choinski, Sub-Assem. (1)
Ralph Menechino, Spotweld (2)
Robert P. Gregory, Ctr. Sect. - Final. (2)
Edwin H. Seaman, Hyd. (2)
Walter J. Bruns, Prod. Rel. & Ana. (2)
Bernard Waters, Prod. Rel. & Ana. (2)
Harold W. Dawson, Convent. Mach. (3)
Frank J. Colandro, Spec. Progs. & Promo. (5)
Francis A. Martila. Flt. Devel/Oper. (7)
Robert C. Miller, V.P., EA-6B director (34)
Arthur J. Becvar, Flt. Devel/Oper. (7)
Jack E. Campbell, Elements & Mat'l. Test (12)
John J. Page, P/S Prog. Supply Staff (25)
Herbert E. Anderson, Sec. & Pers. Serv. Mgmt. (28)
Walter J. Kowalski, MSC Mfg. Shops (52)
John E. Skelly, Maint. Admin. (56)

20

William Logan, Proto. (1)
Franklyn Rule, Sub-Assem. Maj. (1)
Robert L. Lentino, Sub-Assem. Maj. (1)
Samuel Vergari, Instr. A/C Test (1)
Daniel Zebart, Fuse. Fwd. Sub & Maj. (1)
Henry A. Lartin, Sub-Assem. (1)
Letson J. Kinsley, Final Assem. (1)
James M. Litterello, Mfg. Tests Plts. Mgmt. & Staff (1)
Ernest Jenkins Jr., Mfg. Tests Plts. Mgmt. & Staff (1)
Ronald M. Pfeffer, Proj. Prop. (1)
Michael S. Keker, Plt. Stores (1)
Bartholomew Di Masi, Maint. (1)
William Fredrickson, Router & Shear (2)
Thomas S. Baylis, Sma. Parts Fab (2)
Walter Reichelt, Drop Hammer (2)
John W. Haugh, Parts Paint (2)
Geroge Norris, Ctr. Sect.-Final (2)
William J. Warren Jr., Ctr. Sect.-Maj. & Subs (2)
Eugene S. Whiting, Wing Inner Pan. & Combo (2)
Arthur T. Jackson Jr., Hyd. (2)
Robert S. Clarke, Hyd. (2)
Donald F. Ormond, Hyd. (2)
John Koltunovich, Hyd. (2)
Frank R. Tobin, Dispatch. WIP (2)
Frank J. Pascale, Dispatch. WIP (2)
Stanton R. Middleton, Prod. Rel. & Ana. (2)
Rudy A. Wolmart, Prod. Rel. & Ana. (2)
Ignazio E. Lazzara, Prod. Mfg. (2)
George R. Crockett, Prod. Mfg. ODS (2)
Louis A. Di Agostino, Plt. Stores (2)
John H. Smith, Templates (2)
Albert Spindler, Templates (2)
Charles J. Bradley, Tool Ctrl. (2)
William S. Lamberta, M. E. Mgmt. & Staff (2)
George Smith, Dispatch (2)
George I. Smith, Optical Tool & Metrol. (2)
Donald M. Ludlam, Insp-Tool. (2)
George Prunitis, Press (3)
Jerome Casassa, Press (3)
Joseph J. Ragonese, Sma. Parts Lab (3)
Carl Hein, Spotweld (3)
Anthony Coccia, Chem-Mill (3)
Leonard Ascosi, Wing Sub-Assem. (3)
Robert K. Smith, Wing Final Assem. (3)
John J. Maerz, Fuse. Assem. (3)
James C. Beatty, Ctr. Sect.-Final (3)
Joseph A. Frasier, N/C Mach. (3)
Alvin Smith, Honeycomb Final (3)
William C. English, Prod. Mfg. Adm. (3)
Paul Walkowski, Plt. Stores (3)
Gus A. Semertgis, Flt. Oper. (4)
Stephen M. Kaminski, Out-of-Prod. Spares (4)
George F. McGrath, Draft. (4)
William Minicozzi, Airport Oper. (4)
Henry A. Faeth, Convent. Mach. (4)
Frank J. Beckert, Static Test (5)
Patsy P. Siani, Static Test (5)
Ernest Neves, Instr. A/C Test (5)
William M. Mistretta, Mech. Struct. & Proto (5)
John Nevins, Flt. Avionics (5)
Robert W. Bradshaw, director of Corp. Serv. (5)
John H. Smith, Templates (2)
Eugene M. Martone, Environ. (5)
Robert L. Ohrtman, Sal. Admin./Pers. Recs. (5)
Vincent D. Hynes, Contracts (5)
Thomas R. Foley, Instr. A/C Test (6)
Ralph Kreyer, Instr. A/C Test (6)
John T. Clifford, Pwr. Plt. (6)
Dominick P. Chico, Avionics Inst. (6)
Melba R. Malaer, Final Assem. (6)
Joseph D. Abel, Preflight Final (6)
Walter H. Rumpel, Elect. Repair (6)
John S. Ziemba Jr., Plt. Stores (6)
Cornelius W. Baan, Plt. Stores (6)
Stella Havens, Facil. Adm. (6)
Archie H. Hubert, Insp-Mech. (6)
William H. Herrmann, Flt. Oper. (7)
Andrew D. Howe, Flt. Develop. (7)
Albert J. Legerlotz, Meas. Std. Plng. & Ctl. (12)
Alfonso J. Teresi, Hyd. (14)
Joseph F. Hrostoski, P/S Cust. Orders & Rec. (15)
Bernard R. Smith, Ctl. Prop. Disp. (17)
John F. Schultz, Plt. Protect. (18)
Anthony F. Lazarek, Trans-Oper. (20)
Vinton R. Soyars Jr., Trans-Oper. (20)
Saul Feirman, B/P Whses. (21)
John J. Mulligan, B/P Whses. (21)
John J. Jolly Jr., B/P Whses. (21)
John C. Totten, Recvg. Insp. Gen'l. (24)
Thomas Harding, P/S Prog. Supply Staff (25)
Thomas A. Cava, Test Integ. (25)
Anthony Domino, Sub-Assem. Maj. (27)
Joseph Costanzo, Maj. Assem. (27)
Louis E. Hesser, Fuse. Join. (27)
John M. Epsom, Insp.-Mech. (27)
Douglass Hassell, Insp.-Mech. (27)
Francis E. Pape, Crit. Mat'l. Ctl. (30)
Kenneth F. Warta, Rqmts. Plng. (30)
Donald E. Foley, Environ. Ctl. & Test (31)
Joseph D. Rayll, GSE Mech (33)
Thomas J. McKeon Jr., GSE Mech. (33)
Nicholas Kariotis, Elect. Fab (33)
Roy V. Johnson, Elect. Fab (33)
Gregory D. Sherwin, Avionics Inst. (33)
Nicholas Karangis, Flt. Avionics (33)
Joseph J. Feneck, Elect. Repair (33)
Chesley A. Greening, Ind. Engg. (33)
Richard J. Kleinhans, Plt. Stores (33)
Helen Shachmut, Repro (33)
William T. Gallagher, P/S Elect. Engg. (34)
John V. Carney, P/S RF & Video Engg. (34)
Anthony M. Gurnari, P/S Pricing (34)

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Z. J. Choinski | R. Menechino | R. P. Gregory | E. H. Seaman | W. J. Bruns | H. W. Dawson

F. J. Colandro | F. A. Martila | R. C. Miller | A. J. Becvar | J. E. Campbell | J. J. Page | H. E. Anderson | W. J. Kowalski | J. E. Skelly

Name Paxson, Moorman to key corporate posts

The appointment this month of Bill Paxson, who has been director of Procurement Operations for the past year, to the more encompassing position of director of Procurement Management emphasizes the continually increasing scope of Grumman's buying and inventory operations. Under John O'Brien, Administrative Vice President, Paxson is responsible for procurement of material, systems, structures, and services, with "proper emphasis on the efficient handling of the property acquired by the Company in the performance of contracts: Procurement Operations, Inventory Management, and Property Management." He succeeds Dave Lang, who has left the Company.

Paxson works directly with Norm Egloff, manager of Central Purchasing, and with the Procurement managers for each of these Grumman programs: Shuttle, Space, F-14, Gulfstream I and II, A-6, EA-6, E-2, and Advanced Programs. Each program has its own Program Procurement manager.

'Tighter schedules'

"Grumman is buying more, and shipping more, on tighter schedules," explains Paxson, "and with our Product Support business under Vice President Ed Dalva surging ahead, we're now handling our Support procurement obligation the way we handle the other major programs. Emil Gilbert is working closely with Ed Dalva, and he represents me for all Support procurement activities."

One could guess the extent of the Grumman procurement operation by observing a typical Paxson work day filled with conferences and constant phone calls, all in the interest of maintaining a strong procurement organization, helped by computerized reporting and a close relationship with his organization and through them, with the sellers.

Bill Paxson

Paxson has been appointed also to the Source Selection and Make or Buy Committees.

He came to Grumman in 1966 from General Instrument, where he was Vice President for Operations. He and his wife, Sallie, have a married son and daughter and two grandchildren and live in Bay Shore. Boating and fishing, hunting and golf account for such spare time as Bill can muster.

Test director

Ted Moorman, for 4½ years OAO Program manager, has been appointed director of Engineering Development Test Operations, reporting to George Skurla, Vice President of Product Engineering.

Ted Moorman

He has moved from Plant 25 to Plant 5 and can be reached on Ext. 2924.

Moorman, who started in Flight Test in 1948, will be responsible for seeing that the testing of Grumman spacecraft, aircraft, and such other Grumman products as hydrofoils, V/STOL, and TAC-RV are tested to achieve all objectives, with least cost, prior to customer and flight acceptance testing.

Moorman has planned and participated in the testing of many Grumman products in his more than 24 years with the Company. Before he became manager of the Orbiting Astronomical Observatory Program he was closely identified with the Lunar Modules 1 through 4 as chief of Operations, in S/CAT at Bethpage. As LM Test & Support manager he was in charge of planning for pre-launch checkout at KSC, the propulsion development tests at White Sands, and the environmental systems test at MSC. In these years he organized the LM field bases and the LM support systems.

Early LM experience

One might almost say he was part of the orchestration of testing procedures and planning throughout Grumman, even to returning to George Skurla's staff where he got his early experience in the Company. "The spacecraft years were rigorous," he said. "Management experience in S/CAT and Flight Test and Ground Test contributed to the over-all concern now with cost effectiveness. I'm looking forward to this new assignment with enthusiasm."

Bernard Shatz, formerly assistant OAO Program manager, is now Program manager, succeeding Ted Moorman, who has been named director of Engineering Development Test Operations, reporting to Vice President George Skurla.

BPI grad

Shatz is in Plant 25 on Ext. 2691, reporting to Vice President Tom Kelly. He has been with Grumman 15 years, the last 4½ as assistant Program manager of OAO. Before that he spent two years in what was then called the Engineering Professional Development Program, working in Systems Engineering, Contracts, Project Engineering, and Program Management.

Shatz is a graduate of Brooklyn Polytechnic Institute in aeronautical engineering, and he has a Master's from New York University. He lives in Greenlawn with his wife, Iris, and two daughters, eight and ten.

We get letters . . .

To the Editor:

In your article on production of E-2C aircraft, page 6 of Plane News 10/13/72, all plants producing E-2C major assemblies were noted except Plant 27. If Plant 27 didn't supply the nacelles and fiberglass tail it would be very hard to get this aircraft off the ground.

/s/ Unrecognized personnel
Plant 27

cc: Sen. Proxmire

Note: You are now recognized — and we're sorry it didn't happen in the first place.

Mistaken identity

You've heard of a slip of the tongue . . . well, we were guilty of a slip of the typewriter in the last issue. In an article on the initial flight of the first production E-2C, we referred to Capt. Ray Quinn, Navy E-2C Project Director. Ray's name happens to be Tom. Sorry about that Ra . . . er, Tom.

service milestones

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Daniel J. O'Neill, Prog. Mgt. EA-6B (34)
Vincent G. Taibbi, Life Sciences (35)
Maurice P. Moriarty, Ctr. Sect. (36)
Joseph P. Lyons, Final Assem. (36)
William Parson, Mfg. Test Plts. Mgmt. & Staff (36)
Jack Winderman, B/P Whses. (37)
John H. Husch, B/P Whses. (37)
John G. Clarkson Jr., Serv. & Support (55)
Richard A. Van Deusen, P/S A/C Syst. Serv. (75)
Mason O. Mosley, P/S Fld. Mat/Mod. (80)
Raymond C. Strassburger, KSC QC (83)
Vincent M. Dellapi, KSC Mfg. Ofc. (83)
John W. Torkelsen, Base Mgmt. (88)
Robert E. Dory, Production (88)
Salvatore Stassi, Production (88)
Edward A. Maroney, Production (88)
David E. De Betham, P/S Equip. Serv. (90)

15

William C. Wollman, Produc/Mach. Engg. (1)
William Williamsen, Mach. Shop (2)
William R. Feigel, Assem. Tool (2)
Benedict J. Gaylo, Proj. Engg. (25)
Roland P. Henault, Facil. Maint. (27)
Stephen M. Gaydosh, Fuse. Join. (27)
Vincent J. Tascarella, Procure. Mgmt. & Staff (30)
Lawrence B. Hennessey, Contracts A/C (34)
James E. Erickson, F-14 Mfg. Oper. Mgmt. (36)
Raymond Tallman, GDS (40)
Robert A. Pennstrom, KSC Mfg. Shops (83)

Credit Union notice

Hurdman and Cranstoun, Penney & Company, Certified Public Accountants, acting in behalf of the Supervisory Committee of the Bethpage Aircraft Federal Credit Union, has recently forwarded confirmation requests as to share and loan balances to the following members:

Permanent Numbers 074064 through end

(Your Credit Union number is comprised of your six digit Permanent Number preceded by a control number.)
This is a routine audit operation prescribed by Federal Regulations for the protection of the members. If your Permanent Number is within the group listed above and you DID NOT receive a confirmation request, please tear out this notice, write your name, permanent number and telephone extension in the blank space below, and forward through the inter-office mail to Hurdman and Cranstoun, Penney & Company, Plant 30.

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Bright, new, modern home taking shape for Detail Parts . . . and there's more to come

New and busy. Detail Parts, Plant 2, is in full swing. Shown above are parts in Finishing Facility with Joe Goldberg racking stiffeners for processing. Bill Tuttle (L. opp.), in charge of production, is at the conveyor control panel, and Urban Kues (far R) unracks parts after final paint. Detail Parts supervisor is Pete Giannott. (Photos by Bob Settles)

"Lost" is a lonely word, and, in manufacturing, a tool or a part misplaced or unidentified can cause real havoc in the production cycle. Parts and tools and their work orders have to stay together.

Recognizing the need for more sophisticated controls for the millions of detail parts (small as a coin, large as a 6 x 14-foot panel) that Grumman is producing annually, Senior Vice President Corky Meyer in 1969 set the wheels in motion to modernize a big area of Plant 2. He appointed Brian Evans to manage the whole Product Manufacturing aspect and gave him the authority to organize and carry out a new, computerized plan for handling detail parts on a large scale in Plant 2. John Ohlmann of Facilities Engineering was named Project engineer to head up the coordination of Facilities efforts and the implementation of the associated physical changeover in the plant.

This month, three years after the original "go-ahead" was given, the north assembly floor in Plant 2, where formerly the HU-16 was built, is celebrating the completion of Phases 1 and 2 of the modernization project. Al Hall, general manager of the Detail Parts Operating Unit, has just taken over its direction.

The Detail Parts Facility is a brightly lighted, colorful area dominated by towering 21-foot-high storage shelves constituting the Central Storage and Retrieval System. A series of shelving has cantilevered arms to hold parts and tools big and small, while the other shelving contains plastic boxes to store detail parts until requisitioned. "Every tool has an address," says Evans. A real-time computer, IBM 1130, keeps track of the movement of detail parts and their associated tools and work orders, in effect saying "no" if asked to deliver a batch of parts without the proper tools to accompany them. The computer also allows for picking the oldest orders for processing ahead of the newer ones. Further, this computer assigns "addresses" for parts and tools (e.g., Z 491) and governs the movements of the picker vehicles when picking up or delivering these items.

This facility can handle five million detail parts a year, along with the work orders and metal tags that go with them through each operation.

The gigantic effort was accomplished by "checkerboarding," Evans' expression for what has been going on in the area during the past three years. While newer methods and equipment were being introduced, the existing methods were kept in effect. These phases of the modernization program were carried out without closing down the facility, even to the re-paving of the floor. Evans and Ohlmann had the technical assistance from their own departments and the cooperation of many others, including Planning, Materials & Processes, Purchasing, Production Control, Quality Control, and Safety.

'Mister Big'

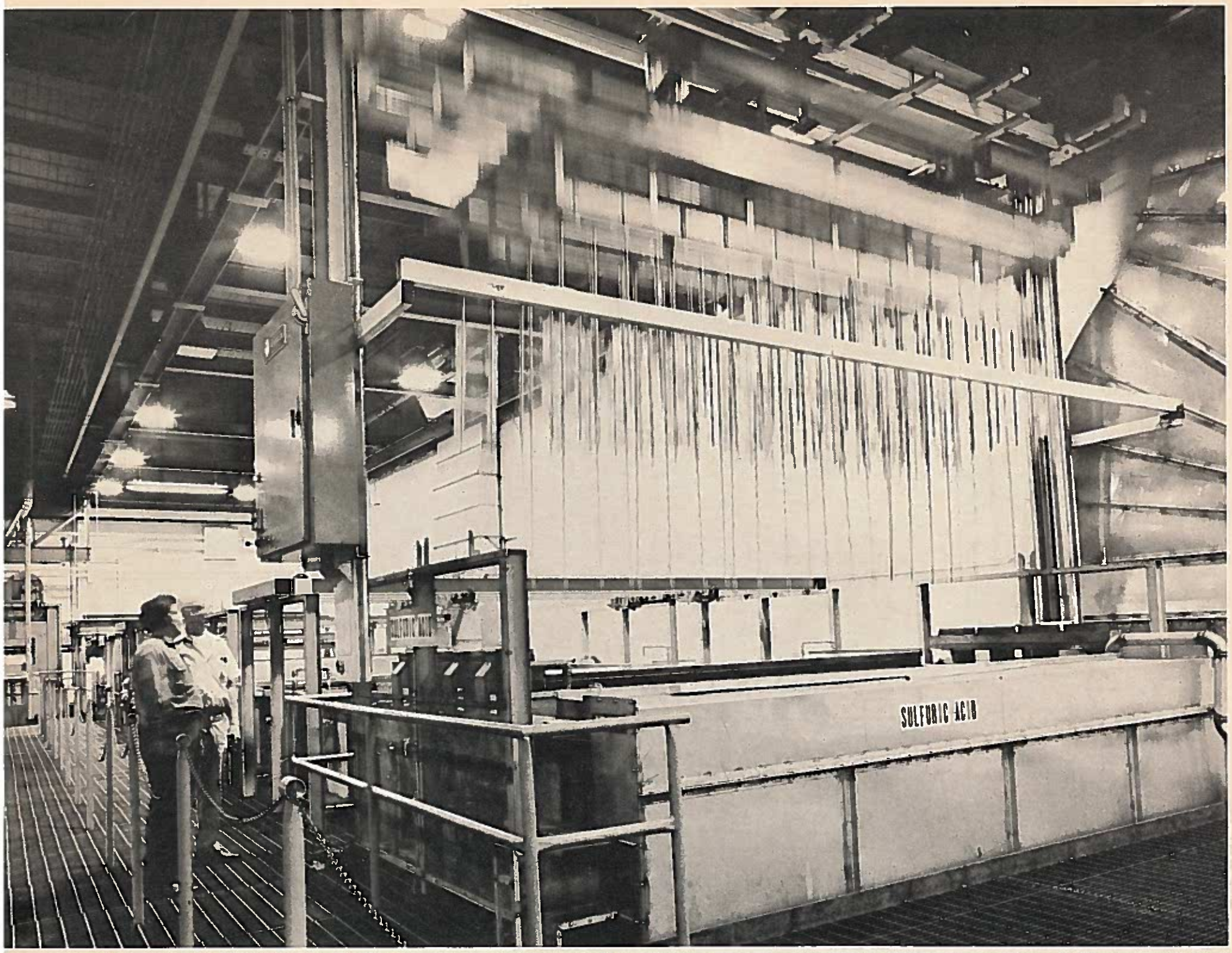
So far, the picture is dominated by the storage and retrieval layout, but that's not all, by any means. What Evans calls the "Mister Big" of this total acreage in Plant 2 is the Finishing Facility, the most recent segment to be completed and set in motion. It is a big area adjoining the Central Storage and Retrieval area that includes the entire finishing cycle: paint and anodize or alodine protective finishes. This is accomplished automatically by a conveyor-type system.

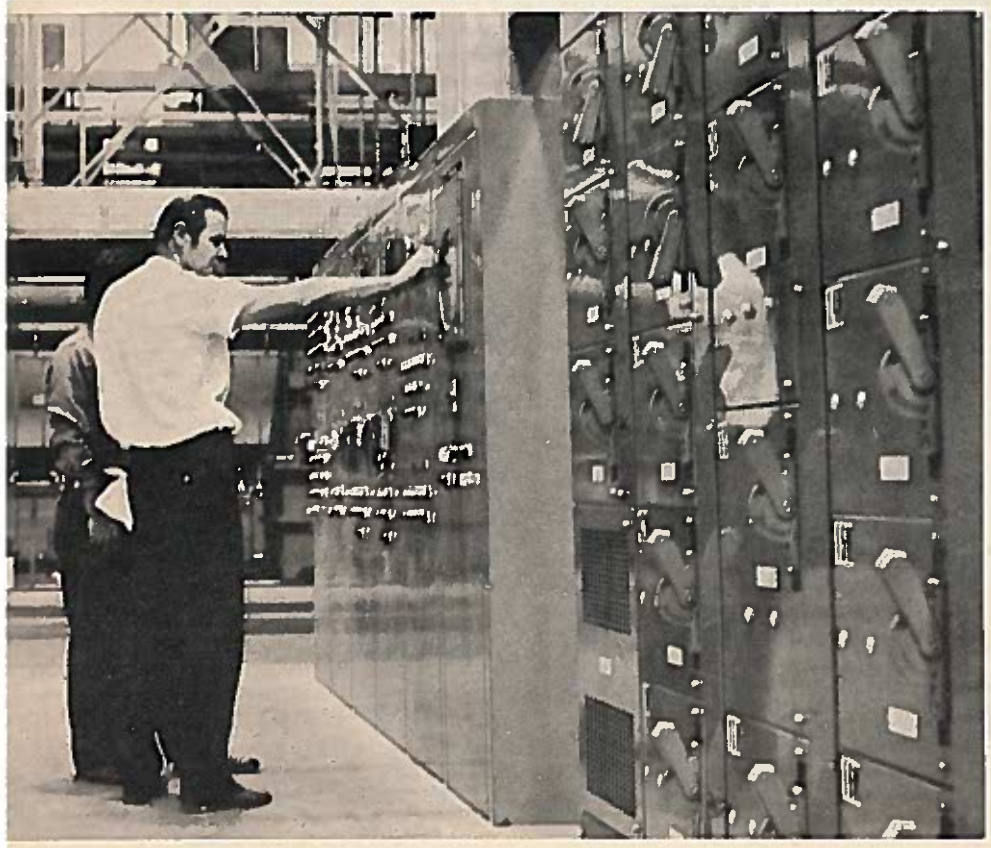
Anodizing with sulphuric acid has proven to be, in some cases, superior to alodine for the protective coating of aluminum parts. Either one, anodize or alodine, is applied to certain of the detail parts in an automated trip that starts with the spray tunnel for first cleaning, and then, eventually, an electrostatic paint spray, with all the necessary rinses and dryings—this process preparing each part for its role in the total airplane assembly. Each work order carries its identification with it through the complete cycle.

Great improvements have been introduced in recent years in the heat treating and finishing cycles in the aerospace industry. Each step has this significance: the aircraft part must be "beefed up" and protected for its entire carrier life at sea. A corroded bracket on a Navy plane could prove to be the one weak point in the aircraft's life cycle.

The new Aluminum Heat Treat Facility, a part of the modernization effort, will give Grumman the only large liquid nitrogen quenching facility in the country, "and what a time-saver it has proved to be!" according to Evans. The sharp drop in temperature from the 960° F of the heat treat furnace to liquid nitrogen quench at minus 300° produces an almost distortionless result, saving hours of costly hand hammering.

For those who haven't kept abreast of Grumman's modern manufacturing jargon, let's just point out that there are 45 "work centers" in Plant 2. And there are "mini marshalling areas" where parts are temporarily stored and where "dispatchers" (rather than expediters) keep things moving. Without careful planning and a sound computerization system, there would not have been possible the capacity for processing millions of parts. "We've reached about half capacity now," says Brian Evans; "we'll be ready to take on the other half as it comes."


SULFURIC ACID



Monopoles make it a habit . . . trip Research to win 6th title

There are some TV announcers who fill in the silence with all sorts of trivia. One of the more interesting items they fill the air waves with is won-loss records of various big-name coaches . . . and although there are no big-name coaches at Grumman, one of the big-time coaching records belongs to Charlie Dietz of the Monopoles. Just recently, Charlie's team tripped up Research for the Monday after-hours softball title on 12-4 and 4-2 victories, running his overall record in eight years to 105-6. That's pretty impressive, especially considering the Monopoles collected six league championships in that period.

In the final game of the playoff series, Mike Gabriel's three-run homer overcame a one-run deficit as the Monopoles edged Research, 4-2, for the loop crown. That homer capped a gutsy pitching effort by Jim Dimitry, who scattered five hits in the tilt, and standout fielding performances by Jim Cruthers, Mike Gabriel, and Larry Frank.

Earlier, Bob Ogilvie and Al Wallace provided the distance hitting, with Bob collecting three hits including a double, and Al contributing a single and triple. Larry Frank had two singles.

The victory marked the return of the title to the Monopoles— Research had knocked them off last season. Before that, the Monopoles won the Monday title five years in a row.

At Plant 2, Don Lundergan and Jim Casey rapped four hits apiece to pace the Commanders' 16-8 win over LM Stock. The victory assured the Commanders of their second-straight league title.

Warriors whack Digits

It has been rumored that brains and brawn don't mix, but that has been disproved a number of times. Some of the outstanding college athletes, for instance, are also on the academic first team, too.

And at Grumman, Willy's Warriors proved that in softball, it doesn't hurt to have cerebral activity. The Warriors captured the Wednesday after-hours softball championnship last week, capping a late-season comeback surge with 6-5 and 4-3 wins over the Digits.

All of the members of Willy's Warriors are also graduates of the Grumman-sponsored Masters Fellowship Program in Technical Operations—and if they're as good in their engineering work as they are at winning titles, we should be in pretty good shape.

Glenn Spacht collected three hits in the 4-3 final win over the Digits, with Jim Karanik and Chris Seitz contributing key safeties and Joe Rivera sending the winnning run across in the bottom of the seventh.

Earlier, the Warriors had to win eight straight games to qualify for the playoffs. They did it, and added a 6-5 win over the Digits in the first game of the playoffs, too. That game went eight innings, with the Warriors ending the contest when John Flynn chased home Joe Palmieri with a sacrifice fly. Joe had two hits in that game, including his eighth-inning double.

The Digits evened up the series with an 8-3 decision in the second game of the best two-out-of-three series. Joe Miller's homer and single and two singles by Charlie Bosch sparked that effort.

Still enough

At Calverton, What's Left upended Flight Development, 15-4, in the fifth game of their championship playoff to grab another crown. Joe Pipp and Ken Rogers hit for the circuit, and were backed up by the heavy hitting of Charles Tyler, Dave Zazeski, Butch Kruse, Ray Lombardi, Ben Plawski, and Bill Flatley.

Diamond champs. Grumman softball team at KSC were 21-1 at time of this photo, and won elimination tourney held at space center. Pictured here (from top): Art Leseberg, Bob Larsen, Ed Villane, Dick Witt, Mark DeCastro, Ed Grabowski, Jack Bacheller, Charlie Stenzel, Ed Strzelecki, Don Gavora, Ron Davies, Marty Clark, Hugh Devlin, Mike Bottey. Not present: Bob O'Connor, Ralph Rossbach, Jim Carter, Bruce Flickenger, Marv Schapiro, Bob Myer, Chuck Hennings.

Dunkley's 661 highlights Owl pin play

There are some things that never change—well, they rarely do, at least. Take Rudy Dunkley. He's been one of the bright stars in the Bethpage Nite Owl league for a number of years now, and 1972 doesn't seem to be any different. When Rudy fired a sparkling 256-211-661 a few weeks back, he only added to previous laurels since his 256 stopped one stick short of his own league mark and his 661 snapped his own standard by 73 pins. Add to that high average, 190, and you can see that Dunkley is putting on quite an exhibition. Way to go!

Earlier, Rudy put together games of 206 and 201, Gene Piwowar fashioned a 242, John Cuiusano, 214, Bill Buchman, 204, and June Pine, 171. . . . In Aerospace play, Joe Aquilino's 205-212-598 and Joe Gallo's 210-220-608 (that string is a record-breaker) highlighted the session. . . . Al Giacoia's 212-603 topped the most recent Blue league encounter, but Berger Peterson's 256 and Pat Fischetti's 638 in earlier sessions stand as league marks. Monica Wojtyniak's 201-527 and Bob Ogilvie's 236-637 pushed the individual marks in the Syosset Mixed loop up another couple of notches. Monica had set a 525 high the week before, while George Bunzel had climbed to 588 in the same round on games of 214 and 202. Other standouts: Anna Wicks, 485; Peggy Griffith, 479; Rita Mathia, 488; Stan Nilsen and John Betterino, 567.

It's getting to be a habit with young Ken Smith. In the early going of the Trader loop, Ken set the loop mark of 616. Now the record is 652—and Ken Smith Jr. still has that honor all to himself. George Slavik and Charlie Gosline did run over Ken on the way to a new game mark, however. George racked up 257 and Charlie notched 255 to shatter Smith's former 236 high. Others in the action included Jim Stapleton, 233-203-612; Gosline, 234-203-620 and 597; Tom Wright, 221-594; Ellie Gunther, 204-592; and Ben Picone, 207-201-573.

Brouillard fires 279

Jake Brouillard fired a hefty 279 in the Masters loop to bring down one of Phil Piacentini's league standards, but his 844 did little to shake the other, a 902 string for four games. Dick Spalding's 244-838 was another top effort in Masters' play, as were Joe Russo's 224-232-833; Sid Smith's 224-211-821; Ike Washington's 213-213-200-810; and Fred Skirde's 805. . . . Hawkeye highlights included Phil Barton's 212-203-210-625, Vince Crevoiserat's 224-586; Tom Murtha's 223-213-611; and Dot Jacobsen's record 516.

Guss Century star

Perhaps what happened to the Impossible Dreams said it all. There they were, leading team series in the Century Mixed league, when along came the Granites (was it symbolic?) to grind them into the dust and snatch the team laurel with a 2243—more than 80 sticks better than the old mark. So was it any surprise when Mark Guss did the same in the men's category? He came through with 236-628, both record smashers, to depose Mike Pelehach (231) and Mike Viafora (561) from the top spots. In supporting roles were Dave Walsh, 214; Ed Kelly, 557; Nancy Gentzlinger, 516; and Helen Miller, 466. . . . In another mixed affair, Hal Lessmann and Dick Bassano fired 211-599 and 215-599 respectively to take over the top spots in Woodbury competition. Lenore Seip's 474 and Carol Mayer's 463 led the women.

Bob Dudonis is setting a fast pace in the Classified circuit— his latest: 638—but a new star rose in the league recently when Norm McDowell shot a 276 to take over high-game honors. Dudonis used a 213 and 246 to reach his total and Jim Karika fired 214-580, and earlier, Jack Herman shot 236-605, Scotty Wigley, 208-214-597; and Jerry Rainford, 211-219-572. . . . Dave Curran's 222-572 and Rose Canales' 178-480 paced the Blue Mixed contingent, and, in a light-hitting contest, Black highs were Walt Stehlin, 204-550; Jim Herzberg, 209-202-549; and Pete Katalo, 200-548.

Hunter hits 626

Rounding out the loops: **Red**—Dick Bloomer, 221-591; Charlie Hunter, 230-626 (ties series mark); Jack Hopkins, 221-214-613; Mike Leogrande, 200-570; **Rocket**—Larry Schneider, 208-562; Dick Bereis, 220-525; Charlie Katz, 205-552; Schneider, 207-555; **Patchogue Mixed**—Dave Struller, 245-605 (both records); Gene Burgess, 561; Joan Burgess, 494; Val Lindstrom, 184-518 (series record).

Still time . . .

If you've got a free night and don't know what to do with it, you might try getting into a bowling league. Some leagues still have openings — so call GAA, Ext. 2133, to get placed.

Table action on tap

Starting next Thursday, November 2, at 7 p.m., the Grumman Table Tennis Club will begin meeting at Hangar 5 in Plant 4 for open ping pong competition, both doubles and singles. Frank Malone, who's coordinating the sessions, expects a full house (or is that hangar?) since over 50 people have already expressed interest in the activity.

One thing, though: Frank requests that all those who want to participate wear sneakers—the hangar floor is of concrete—and also wear a dark shirt or blouse to provide a good background. If you have further questions, call Frank on Ext. 9002.

Set Nov. 1 deadline for entries for Art-Photography Show

Hurry if you haven't entered the annual Grumman Art and Photography Show. You have from Monday through Wednesday, October 30 through November 1, to enter photographs and art work in one big, beautiful exhibit. The awards will be presented Friday, November 3, at noon in Plant 28. Savings Bonds will be given for "Best in Show" and trophies and other prizes for first, second, and third place.

Invite retirees

Calverton exhibitors should contact Katherine Eng, Library, Plant 6, Ext. 335. The Grumman Athletic Association will have representatives at Plant 28 Monday - Wednesday, 4 to 6:30 p.m. Retirees are invited to participate. For informaton call GAA, Ext. 2133 or 2269.

The **Art Show** categories are:

Oil, plastics, acrylics - landscape - seascape

Oil, plastics, acrylics - non-objective, abstract, still life, misc.

Oil, plastics, acrylics - figure, portrait

Oil, plastics, acrylics - nature (animals, birds, etc.)

Water color

Pastels

Black & white, graphics, etc.

Sculpture

The **Photography Show:**

Black & white prints - scenes & misc., still life & abstracts, people & human interest; animals & nature.

Color prints - scenes & misc., still life & abstracts, people & human interest; animals & nature

Color slides - scenes & misc., still life & abstracts; people & human interest; animals & nature.

Architecture

Snapshots (photo taken with hand-held camera and informally, max. size 4 x 5 inch print).

Entries must have been completed during the past year.

Show will be open to visitors November 2 & 3, 11:50 a.m. to 1:30 p.m. and 4:30 to 8 p.m. November 4 & 5: 12 noon to 4 p.m.

Sterling get-together

Another year, another picnic, and what a picnic it was. Over 250 (with guests from Bethpage and Plant 56 at Glen Arm, Md.) attended Plant 58's annual get-together in Virginia. On the menu were baked Virginia ham (with a special secret sauce), slaw, potato salad, sloppy joes, hot dogs, cake and ice cream, soft drinks—and for those who like to chill their throats with cold, cold beer . . . ooh! That Southern hospitality. In the morning, between the many games and roller skating, Winkie the clown mesmerized old and young alike with his tricks, and Cowboy Wimpy hog-roped them in the afternoon. For those who wanted to dance, a band played all afternoon, and if dislocated hips and backs couldn't be found, it wasn't because the feet weren't "flying." One long complaint: they had to wait another year for a repeat performance.

And says John Otterstedt, manager of Plant 58:

"Y'all come and join us next year, y'r heah!"

Chlanda takes top prize in garden exhibit

Apples starred in the Grumman Garden Forum's fall flower show, held October 19 in Plant 3 Cafeteria. Charlie Chlanda, retired last winter, triumphantly bore away the silver bowl for "Best in Show," together with a pewter vase and blue ribbon for a plateful of large and lovely Macouns, a new kind. A special award went to Mal Ketcham for his incredible 130-pound Hubbard squash. And in the Novice class, Mary Wakulinski, who starred in the recent Grumman Hobby Show with her Ukrainian embroidery, earned a first and second for her arrangements.

The judges, accredited by the Long Island Chrysanthemum Society, were enthusiastic about the quality of the entries, which included chrysanthemums, dahlias, seasonal material, and fruits and vegetables. "Lovely, lovely—beautiful quality," declared Mrs. Richard Corbisiero Jr., president of the L. I. Chrysanthemum Society. Kenneth Spencer agreed, pointing out that the weather had conspired against flowers during the whole summer. The morning of the show, wind and rain combined to flatten out anything not already picked.

Chlanda's fruit-growing has brought him many awards before, but he had never made "best," and he was visibly touched. He has two acres and 106 fruit trees in Bay Shore, and in his retirement he's lavishing a lot of care on these. His wife, Helen, who also retired from Grumman, helps, as do their sons Charles Jr., Edward, and Rudy (all Grummanites).

These were the winners in this last show of the season:

SINGLE MUM: Mimi Abbatiello, 1 & HM; Frank Sadowski, 2; Andrew Lenzi, 3.

SINGLE SPIDER: Mimi Abbatiello, 1, 2, 3, & HM.

SINGLE SPRAY: Marie Catalano, 1; Mimi Abbatiello, 2; Andrew Lenzi, 3; Roy Goddard, HM.

SINGLE DAHLIA: Karl Hagen, 1, 2, 3, & HM.

MUM ASSORTMENT: Mimi Abbatiello, 1 & HM; Frank Sadowski, 2; Mal Ketcham, 3.

SEASONAL: Dot Kappenberg, 1; Bill Hill, 3 & HM.

SEASONAL ASSORTMENT: Mike Smith, 1 & 3; Roy Goddard, HM.

FRUITS & VEGETABLES: Charles Chlanda, 1, 2, HM, & "best in show"; Mal Ketcham, 2 & 3; Felix Sachs, 3.

NOVICE: Mary Wakulinski, 1 & 2; Marie Catalano, HM.

ARRANGEMENTS: George Roth, 1; Mal Ketcham, 2; Dot Kappenberg, 3; Karl Hagen, HM.

Cinderella. And Maria Catalano's pumpkin coach is a Hubbard squash—130 pounds of it. Mal Ketcham, now retired, planted two seeds. One came up. He kept disbudding that plant until he had a giant for the Grumman show. Who got it? Plant 3 Cafeteria. (Photo by Marie Trimborn)

Amateur art display at Bethpage Park

The 23rd annual amateur art exhibition presented by the L.I. State Park Commission will be held at Bethpage State Park, on November 2, 3, 4, and 5. Exhibit hours will be from 10 a.m. to 9 p.m. daily except Sunday. The exhibit will close on Sunday following presentation of awards at 2:30 p.m. All entries must be in for judging not later than 10 a.m., October 30, 1972.

Those wishing to exhibit may do so by writing to Art Exhibition, Bethpage State Park, Farmingdale, New York 11735.

Amateurs may enter the exhibit, which is centered on two main fields: oil and water color. It will also feature graphic arts and sculpture.

The judges are Cyril Lewis, vice president of the America Water Color Society; Carlos C. Koetzner, professional artist and past senior planning delineator, L. I. State Park Commission; Elizabeth Vaughan, director of the Sunday Galleries, Islip, N. Y., and Jacob Lipkin, eminent sculptor.

Canoe sale

Hey! Think spring—but hurry. Employee Services Office now has on hand a great collection of canoes and rowboats at bargain basement prices.

There are standard canoes, 15-20 feet long, light canoes, 13-18 feet long, standard square-end canoes, 15 and 17 feet long. Car Toppers, and more. Call ESO.

Rice shows hot hand in pistol competition

In the opening match in the South Shore pistol league, the Grumman center-fire squad defeated Competitive Pistol Association, 1058-1016, with Dave Rice firing 273, Phil Boehm, 269, Ron Trenkner, 259, and Art McKee, 257.

In later .22 caliber competition, Dave Rice fired 275 and 278 but the Grumman D squad lost two, 1026-1057 to Grumman Gold and 1059-1070 to Brookhaven Lab, in the L.I. Industrial circuit. Hancock Chau shot 269 and Ron Trenkner 267 to pace the Gold team, and in the Brookhaven loss, Greg Criscione and Art McKee fired 267 and 268, respectively, for the Ds.

Rice was evident in the Grumman center-fire squad's victory over Sagamore in the South Shore league. Dave shot 279 in a 1059-640 win, with Greg Criscione's 264, Phil Boehm's 259, and Howell Fesq's 257 aiding that total.

Swap

WIGS: Two. wig box, head form, stand, for cassette recorder. 289-1661.

Car Pool

KEW GARDENS: To Plt. 1 or 4, 8-4:30 p.m. 212 441-9529.

BRONX: Riverdale, to Bethpage, 8-4:30 p.m. 212 884-7335.

BROOKLYN: Belt Pkwy., to Pls. 1, 2, 3, & Whse. area, 7:30-4:30 p.m. 212 253-8524.

ROCKY POINT: To Pl. 25, 8:12-4:42 p.m. 744-8065.

BROOKLYN: Belt Pkwy. to Plts. 1, 2, 3, & Whse areas, 7:30-4 p.m. 212-253-8525.

Free

KITTENS: Three, two Tabby, one gray. 666-5992.

RABBIT: Wh. & blk., male, 5 mos., tame & friendly. AN 6-2997.

POINTER: German Short Hair, fem., 8 mos., all shots, nds. fenc. yd. 588-6364.

Ride Needed

UPPER MANHATTAN: Ft. George Hill area, to Bethpage, 8-4:30 p.m., will take subway to meet. 212-507-1392.

For Rent

ROOM: 3 mi. Grumman, furn., lrg., w/wo kit/liv. rm. priv., nr. transport. 796-2340.

APT.: Bethpage, 3 or 4 rm., furn., pvt. ent., air cond., gar., new mod. kit., nr. Grumman. 731-5922.

HOUSE: Bethpage, 4 bdrm. col., 2½ bath, fully furn., $450/mo. 433-1187.

ROOM: Bethpage, furn., near Grumman, semi-pvt. bath, gentleman prefer., reason. 822-3819.

ROOMS: Two singles, front entr., men only, near village, train station, E. Farmingdale. 694-0066.

APT.: Center Moriches, 3½ rms., walk to stores, util., security, lease, no children or pets, $225. 661-5888.

ROOM: Nr. Grumman, share bath, woman prefer. 931-7060.

HOUSE: Pocono Mtns., 40 min. to Camelback ski area & others, 2 bdrm. weekly or weekends, reason. LI 1-5177.

HOUSE: Mineola, 5 bdrm., comp. furn., fin. bsmt., from Nov. 1-Aug. 30, '73, $500/mo. PI 6-7594.

ROOM: Farmingdale, furn., pvt. bath & entrance. CH 9-2842, after 5 p.m.

APT.: W. Islip, 4 rm., 2 bdrm., conven. everything, $225, plus util. 226-3785.

COTTAGE: Newly decorated, 2 full bath, pnld. liv. rm., porch, lrg. bdrm. & study, all util. except heat, $250/mo. AT 6-3696.

ROOM: Nr. Grumman, new. furn., pvt. bath. 796-8106, after 5 p.m.

APT.: Huntington Vill., 3 lrg. bdrm., 5 appli., lrg. kit., din. rm., 30 ft. liv. rm./firepl., 1½ gar. & carport, patio, lndscpd., heat, $360. HA 3-1791.

Wanted

BICYCLE: Boy's, must be in good condition. 589-6837.

ROOMMATE: Male, to share w/male, 3½ rm. apt., Hempstead area, air cond., elevator, park., wash. & dry., nr. stores, $30/wk. 538-4339, after 4 p.m.

DRUMMER: Group forming, Centereach/Ronkonkoma area. 585-1433.

HARD TOP: For '67-'72 Sprite or MG Midget. 798-4258.

ROOMMATE: Female, share house w/female in Huntington, reason. 423-6684.

Lost

RING: CCNY 1962. (Belongs to Mike Gerrity, member of Navy ILS team.) Finder pls. call Jim Gould, Ext. 9733.

For Sale

DISHWASH: GE, undercounter needs repairs, $25. 543-0817.

HOUSE: W. Farmingdale, ranch, ¼ acre, 3 bdrm., 2 bath, powder rm., 24 ft. liv. rm., din. rm., 5 ft. firepl., w-w rug, slate foyer, lndscpd., patio, fence. CH 9-2873.

For Sale

SOFA: Contemp. design, green pillow back & seat, $125. JU 6-1765.

DIN. RM. SET: 5 pc., gray oak, $75.; two end tables, 1 coffee table, $50. CH 9-4052.

DINETTE SET: Modern, table, 4 chairs, leaf pad; china closet, $75. 935-2032. after 4 p.m.

SPORTSCRAFT: '71, 20 ft. cabin w/stand-up bridge, sleeps 3, 115 hp Merc., tilt-trlr., compl. canvas, winter covers, compass, tach., ladder, head, troll pole holders, $3,495. 427-5058.

CHEVY: '68 custom Impala 307, vinyl top, 2-dr., ash gold, $900. 293-6717.

PONTIAC: '68 GTO, gold w/blk. vinyl top, auto., R&H, new tires, ask. $1,500. WE 8-2193.

VW: '71 Super Bug, low mileage, $1,995. LT 9-5602.

VW: '66 Karmann Ghia, new, tires, wh. int., $625. 212-327-2349.

BMW: '68, model 2002, 4 sp., 2-dr. sedan, grey w/blk. int., needs minor work, ask. $1,200. 669-1213, after 6:30 p.m.

OPEL: '66 station wag., must sell, $125. 587-7961.

at your SERVICE

This is a free service to Grumman personnel for non-commercial advertisements, accepted on a first-come, first-served basis. Classified advertisements are carried in PLANE NEWS only on the basis that everyone replying to such advertising will receive fair and equal consideration regardless of their race, creed, color, or national origin.
Type or print ad on form available at Employees Service and Engineering counters, and send via interplant mail to PLANE NEWS, Plant 5, Bethpage. List home phone (with area code if outside Nassau or Suffolk). Limit: one ad per person per issue. No item under $10, no firearms or ammunition.

PLYMOUTH: '70 station wag., wh. w/blk. int., pwr. disk bks., 35,000 mi., ask. $2,100. 261-3627, after 6 p.m.

OLDSMOBILE: '67 Cutlass, V8, pwr. steer, auto. trans., air cond., new tires, $675. 744-3190.

CHRYSLER: '66, model 300, V8, 4-dr., R&H, bucket seats, new radiator, water pump, muffler & exhaust sys., batt. & cables, new tires, 54,000 mi., reason. 921-4533.

COUGAR: '67, V8, auto., pwr. steer & bks. air condo., R&H, 4 w/w, mount. snows, ask. $1,250. 293-2749, after 5 p.m.

CHEVY: '60 Biscayne, 2-dr. sedan, new batt., $50. 751-0691.

VW: '69 Square station wag., 22,000 mi., AM/FM, stand. trans. AM 4-5154.

VW: '72 Sqback, auto. trans., AM/FM, radial tires, 12,000 mi., $2,500. 825-6534, after 5 p.m.

BAR: Two stools & rm. divider, Oriental, wr. iron, tile, $40.; carpet sweeper, $10. 265-8113.

DINETTE SETS: Walnut & wh., rectang. tables, center extend. leaves, 4 chairs ea. set, $25. ea. 698-5441.

WASH. & DRY.: Hoover mini port., brand new, 8 lb., avocado. 589-4658, after 5 p.m.

FORD: '64 Country Squire, 9 pass., roof rack, mech. sound, $475. 549-5813.

CUTLASS: '67, air cond., auto., pwr. steer, vinyl roof, 2-dr. hdtp., $850. VI 6-5048.

RAMBLER: '66 Classic 770, cross country station wag., needs trans. work, pwr. steer, brand new bk. radial tires, solid st. radio, $275. 751-3162.

FORD: '68 Cotina, 2-dr. sedan, auto., radio, heat., w/w, 28,000 mi., $425. 735-1696.

OLDSMOBILE: '67 Delta Holiday Coupe, $1,000. IV 1-7663, after 5:30 p.m.

BUICK: '64 Skylark, auto. trans., needs muffler & water pump, $75. 586-0858.

TRAVEL TRLR.: '72 Trophy, 23 ft., tandem axle, self cont., thermo heat., sep. shower, TV, ant., sleeps 6, o'size refrig., 4 burn. stove, oven, xtra cables, compl. panel., never used, $4,000. 731-0150.

COMET: '66, auto., 6 cyl. dmgd. left fend., $325. 665-9341.

CHEVY II: '64, new bks., 2 new tires, $350. HR 3-2645.

LE MANS: '69, 2-dr., vinyl roof, full pwr., 3-sp., buckets, mags, air cond., $1,200. 732-7978.

CADILLAC: '71 Coupe de Ville, fully equip., blue w/wh. vinyl top, 25,000 mi., $5,800. 878-2660.

MOTORCYCLE: '68 BSA Victor Special, 441cc, new chrome, shocks, bks., sissy bar, much work done, 6,500 mi., ask. $575. SU 1-7219.

For Sale

COUGAR: '67 XR 7. pwr. steer & bks., air cond., burglar alarm, wood & leather int., auto., R&H., posi-tract., dk. green w/blk. vinyl top, $1,450. 367-4922.

RIMS: 14 in. Chrysler, fits Coronet, Charger, Challenger, $10. 826-3899, evgs.

RIMS: Tire, one 15 in. & two 14 in. 724-0743.

RIMS: Two 15x6, 5 lrg., fits '65 Buick Le Sabre etc., $10. 261-8171.

HONDA: '66, 150cc, low mileage, $300.; '66 Norton, 750cc, chromed eng., pipes, hi rise bars, $790.; ride-on lawnmower, Master, 24 in. cut, $75.; 7½ hp obtbd. motor, $30. LT 9-3762.

BOAT: 17 ft. Thompson lapstreake, 75 hp Evinrude, '61, trlr., full canvas, elec. bilge, speedometer, xtras, $750. PI 1-5372, evgs.

TRAVEL TRLR.: '71 Ace, 20 ft., tandem wheel, sleeps 6, full bath, stove, refrig., heat. OR 1-2957.

AM. RADIO: 2 meter transceiver, Clegg 22, Turner SSB mike, 2 xtals, 5 in. ext. spkr., $200. Nicholas La Cascia, Ext. 86404, ngts.

BOAT: '65 inbd. outbd. fbgl. Lone Star, 19 ft., 150 hp, V6 Buick eng., navy top, full. encl. summer canvas, winter canvas, depth sound., radio plate, aqua meter, RPM meter, seats convert to bunks, $1,800. MO 1-4587.

CAMERA: Yashica - 124G, 2¼x2¼ TLR, new w/warr., case, $80. 212 923-8509.

CAMERAS: Ciroflex TLR, 48mm f3.5 Wollensak lens, Rapax shutter w/spds. 1 sec. to 1/500, no flash syn., $35; 2 Kodak autograph Brownie #2, antique, $35; $60/both. 472-0823. after 5:30 p.m.

SLIDE PROJ.: Argus 500 W, semi-auto., 35mm, $20. 751-1256.

FAN: 30 in. for ceil./attic, auto. shutters, $75. 271-4584.

JET PUMP: Deming 1 hp, w/tank, gauges, limit switch, reg., you disconnect, $150. 744-9886.

ACCORDION: 120 bass, w/case, $100. MO 9-0639.

PIANO: Winter spinet, student bench, drk. ebony, you move, ask. $200. HA 7-5057, after 7 p.m.

SAXOPHONE: Alto, case, music std., instr. std., music bks. & sheet muic, xtra reed, $200. 466-4516.

CALCULATOR: Friden STW, fully auto., all functions, sq. root, accum. & neg. mult., posi. transfer, $225. 212 631-3474.

TRANSISTOR: Curve tracer Eico mdl. 443, fact. wired, new, $90. TU 4-4213.

SLOP SINK: Twin soapstone w/frame support, $10. IV 6-1219.

BICYCLE: English made Raleigh, 20 in., universal frame, 3-spd., quick release handles, easy remov. of seat & handlebars, drk. grn./whi., used 6 mo., ask. $65. BA 3-8126.

BICYCLE: 16 in. hi-riser conv. w/detach. train. whls., 1 yr., $15. JU 4-6387.

WHLS.: New. VW, 4-hole, 2, $12. WA 1-2978.

RECORDS: Variety of 70 pop. LP stereo & hi-fi, albums & approx 30, 78s from '50s & '60s, $50. 212 779-1526, after 6 p.m.

HOUSE: W. Islip, 9 rm., 4 bdrm. col. split, 2 bath, full din. rm., fenc.-in yd., alum. sid., 75x100, $33,-900. 587-3445.

HOUSE: Oakdale, 5 bdrm. hi-ranch, din. rm., eat-in-kit., fam. rm., patio, 1½ bath, w-w, s-s, att. gar., appli., $1,050 tax, $35,000. AN 5-7252.

HOUSE: Farmingdale, 3 bdrm. col., eat-in-kit., full din. rm., front scrn. porch, o.h.w. basebd. heat, scrn. bk. patio, fin. bsmt., gar., nr. transport., sch. dist. 22, low tax, $34,500. CH 9-9313.

HOUSE: Strathmore at Stony Brook, 3 bdrm. col., 2½ bath, 2 car gar., full bsmt., sewers, ½ acre on cul-de-sac, w-w, appli., $37,500. 751-5327.

For Sale

PROPERTY: 8 mi. E. of Greenfield, Mass. & Rte. 91. 96 secluded areas, stream, $10,000. OR 6-1707, after 6 m.

HOUSE: Merritt Isl., Fla., waterfront, 4 bdrm., 2 bath, din. rm., pan. fam. rm., encl. patio, dbl. gar., ctrl. heat & air, nr. bech. & Patrick AFB, 6 yr, $178/mo. incl. tax, avail. 6/73, $39,990, or swap. 305-452-3057.

FURN.: Danish liv. rm.; mod. din. rm.; kit. set; stereo set, make offer. MO 9-1882.

LAWNMOWER: 18 in. reel Sears, 2½ hp, $45. 543-1681.

SNOW BLOWER: Sears port. elec., new, $60. WE 5-0885, after 6 p.m.

MISC.: Morse stereo, $100; 23 in. B&W Zenith console, $100; 19 in. B&W. Zenith, $75. 667-5599.

MISC.: 8x4 ft. pool tbl., $125; tow bar for VW, $20. 928-4637.

PUPPIES: Great Dane, AKC reg., champ sired, harlequins & merles, 1 shot, ears crop., whlped 9/18, reason. 735-0470.

CHEVY: '67 Impala, blue/blue vinyl top, auto. trans., pwr. steer & bks., new rubber, tape deck, ask. $1,045. WE 1-4124.

STROLLER: Bilt-Rite, $150; pool pump, $10.; grinding stone wheel, antique, $45. 796-5872.

BOAT: Sailing dink, Skimmer, fbgls., 7 ft./sail, daggerboard, rudder, oar & oarlocks, $170. 333-5119.

CLAM RAKE: New, never used, 20 ft., 2 pc. telescopic pole, $45. 234-4230.

TAPE DECK: 8 track cartridge, Panasonic, $38. 581-3456.

CADILLAC: '70 coupe, fully equip. 333-0437, after 4:30 p.m., & wkends.

BUICK: '64 Le Sabre, pwr. steer & bks., $150. MO 9-4147.

VEGA: '72, one mo., Hatchback, 4-sp., steel belted tires; '69 Volvo sedan, auto., snows inc. 621-0263.

LE MANS: '66 conv., radio, pwr. steer & wndws., console, vinyl bkt. seats, needs body work, $500. 234-8850.

VW: '71 Bus, red & wh., AM/FM radio, $1,900. 325-1735.

VW: Dune Buggy, cutdown frame w/assembl. front end, trans. axle, w/36 hp eng. $350. 269-4004, after 5 p.m.

MG: '72 Midget, blue w/brown int., AM/FM, 8,000 mi., $2,100. 671-6758.

BSA: '69 Lightning, 6,500 mi., twin carb., tach., $800. 589-5931.

RACING SLICKS: Two, new 9 in. resin impresg., on Chevy, GTO rims, $50. 929-4444.

LUGGAGE RACK: For Triumph TR-4A, deluxe chrome, sacri. $20. B. Kovit, Ext. 9343.

MINI BIKE: Bonanza Scout, front shocks, drum bks., eng. needs work. 922-4024.

AMBASSADOR: '70, 4-dr. blue/wh. w-w, air cond., pwr. steer., R&H, new front tires, shocks, & ball joints, 37,000 mi., 16 mpg, $1,550. LT 9-2164.

FURNITURE: Small Danish mod. din. rm. set, table, 4 ch., breakfront, buffet, $220; liv. rm. items & carp. PI 1-6123.

BOAT: '70 Critchfield cabin cruis., fbgls, 20 ft., 115 hp, 6 cyl., Mercury outboard, full canvas, 2 anchors, xtras, firm, $2,800. MO 7-2617.

BOAT: 14 ft. fbgls., 28 hp Evinrude motor, tilt trlr., $475. 271-9097.

BOAT: '72 Larson tri hull, '72 Evinrude 85 hp, guarant. 7-73, xtras. 661-5022, after 5 p.m.

BOAT: '60 Shoup outbd., 18 ft., 50 hp, '66 elec. start Mercury, fully equip., two 6 gal. tanks, new summer cover inc. side curtains, in water, will demonstrate. PY 8-6382.

BOAT: '71 Winne Baronett, 17 ft., 85 hp Evinrude, sleeps 2, depth find., compass, 18 gal. tank, xtras, $3,400. 669-8403.

BOAT: '70, 12 ft. Sears Gamefisher, runabout bow & stern lights, xtra pole hold., $120. 475-7181.

RACING CARS: 16 Aurora slot cars, over 60 ft. of tracks, inc. crossovers, spiral & loop, transformer & controls, 25. 473-9049, after 4 p.m.

FREIGHT SETS: Two Lionel steam, beginners, eng. & 4 cars inc. tracks & transformer, 027 gauge, $10/set; 150 watt Lionel Trainmaster transformer. MO 1-6120, after 5 p.m.

HONDA: '70, ½ mini trail, model Z50, 3-sp., front & rear shocks, lights, directionals, fold. handlebars, insp. & lic '72, low mileage, new cond. RO 4-0965, evgs.

VOLVO: '71 sta. wag., 145S, 4-sp., AM/FM, new steel belt. radials & snow tires, ask. $2,500. 722-4769, evgs.

For Sale

FENCE: 6 ft. high, 100 ft. 2x1 turkey wire, $20. MO 9-2892.

POOL: 4x12x24, two redwood decks, filter, auto. skimmer, vacuum, winterized kit. 822-3367.

T-BIRD: '70, full pwr., new bks., vinyl roof, new tires, $2,900. 481-9404.

INSTRUMENTS: Musical, trumpets, trombone, Sousaphone, bass clarinet, English horn, soprano violin, & more, reason. Val Castagna, Ext. 9915.

DOLLS: Lrg. selection, old & not so old, bisque, china composition, vinyl plastic. 427-7073.

STEREO: AM/FM, 60 in. GE walnut, two 12 in. woofers, 4 tweeters, 40 w, auto. switch., solid state, record chang., $250. 212-631-3474, after 7 p.m.

MOTORCYCLE: Bridgestone, 200cc, gold & black, 850 mi., $450. MY 1-6861.

CHAIRS: One barrel back tapestry, $25.; one drum table, $15. 931-5229.

YAMAHA: '68, 350cc, directionals, lug, rack, helmet, garaged, $475. 546-0848.

PINTO: '72, 3-dr., 2000cc, auto. disc bks., radials, $1,775; 20 gal. aquarium, complete, $30; 50 watt AM/FM stereo, Gerald turntable, XAM spkrs., $75. 981-1204.

BOAT: '68 Evinrude, 19 ft., i/o, 210 hp, $2,750. 671-8506.

MERCEDES BENZ: '58, 190 SL, 44,000 mi., 4 cyl., stand. trans., new clutch, press. plate, release bear., conv., 4 Mich. tires, 2 stud. snows, car tuned, $2,300. 212-357-5907.

BICYCLE: Boy's 20 in. Stingray, 3-sp., hand bks, used very little, $35. 884-0152.

TRAVEL TRLR.: '71 Avenger, 19 ft., fully self cont., sleeps 6, new awning & add a room, Watson dolly & sway bar, spare tire & wheel, TV antenna w/two jacks, xtra table, two 30 lb. gas tanks, swing up bunk, xtras, $3,200. Eugene Finck, Ext. 84929.

GOWNS: Two, wedding, size 7, satin, peach chiffon pants gown, size 7. 757-1363.

PHOTO EQUIP.: Federal enlarger, Ansco 35mm, 2x3x3.5 develop. tank, 3 trays, Ferrotype, cut. board, thermo., clamp, etc., $40. 741-2848, after 6 p.m.

BABY CRIB: Will throw in swing, $20. 681-9588.

CAMARO: '72, 307 V8, custom int., AM/FM, pwr. steer., turbo, hydro, auto. 286-3611.

MUSTANG: '71, 2-dr. hdtp, silver 351 V8, auto., pwr. steer. & pwr. disc bks, AM radio, deluxe int., tachometer & full instr., F70x14 wide oval w/w, full wheele covers, undercoat, hd shock absorb., under 24,000 mi., $2,800. or offer. 653-6708.

OLDSMOBILE: '69 Custom Toronado, low mileage, xtras. Gus D'Errico, Ext. 3496.

HARD TOP: For Austin Healey Sprite, fits Mark III & B Buy Eye models. WE 1-4225.

TIRES: Snows, Goodyear Suburbanites, 600x13, 4 ply, w/w, little usage, pr. $40. FL 4-1202.

LIFE BOAT: 26 ft. USN dbl. end, Diesel pwr., fresh water cool., will demonstrate. 589-2608.

BICYCLES: Boy's & girl's, $25 ea. 731-5279.

RIMS: Rambler Amer., like new, good for snows, $10/set, E.K. Budd, Ext. 2275.

TAPE RECORD.: Panasonic, cassette w/AC cord, earphone, some tapes, microphone, batt., & pwr. cord, $20.; Magnus chord organ, w/instructions, $10. 666-5992.

OBITUARIES

Plane News has received word that death has come to the Grumman personnel listed below. We extend sincere sympathy to relatives and friends.

GEORGE B. RUETEMANN died October 11 at the age of 50. He had been with Grumman 20 years and his department was Electronics Repair, Plant 5. He lived at 16 Colonial Dr., Lake Ronkonkoma.

STANLEY YONIAK died October 15 at the age of 59. He had been with Grumman since 1943, and he worked in Spotweld, Plant 27. His home was at 98 MacGregor Ave., Roslyn Heights.

STEPHEN BURBA of Electronics Repair, Plant 5, died October 21 at the age of 52. He lived at 768 Ferndale Blvd., Central Islip, and he had been with Grumman 18 years.

For Sale

GENERATOR: Heath color, EICO, 460 scope, EICO 427 VTVM w/h.v. probe, Mercury 1100 tube test. 727-7831.

HOUSE: S. Hauppauge, hi ranch, 3 bdrm., 2 full bath, lrg. kit., dinette area, playrm., firepl., 2 car gar., ¼ acre, must sell. 234-1876.

HOUSE: Vermont, 4 rm., bath, expan. attic on 2 acres, artesian well, out buildings, Montpelier area on black top rd., hunt. & fish. area, 30 mi. to 5 major ski areas, $16,000. 802-229-9363.

HOUSE: Farmingdale area, 4 bdrm., 2 bath, lrg. liv. rm., formal din. rm., carp., blinds, appli., nr. golf, walk to rail station, immed. occup., $38,000. 249-7632.

HOUSE: E. Farmingdale, colonial, 3 bdrm., eat-in-kit., full din. rm., front sun porch, scr. back patio, fin. bsmt. rm., gar., walk up attic w/possible xtra rms., nr. transport., mid $30s. 249-9313.

PONTIAC: '72 Firebird, red/blk. int., wide oval tires, AM/FM, $2,950. 676-4422.

TRUCK: '67 Ford, ½ ton pickup, 6 cyl, all steel ladder rack, new snows, $950. 981-0454.

VW: '63 sunroof, $150. PI 1-0244.

DOOR: Levitt front, 36x79, w/lock & key, 4 panes, rippled blass, $25; high ch., brand new, converts to youth ch., walnut, padded & chrome, $16. 931-5336.

TV: Colonial, color, 23 in. console, maple wood cabinet, $85. 735-5261.

TV: Sears, color, $25; AMC 8 spkr. console stereo w/AM/FM, $25, or $40/both. 661-3991.

FREEZER: Chest, 400 lb. capacity, $75. 698-0143.

BOWLING BALL: Man's, 16 lb.; two 15 in. rims, 5 lug.; Brownie Funsaver movie camera. 735-5261.

HOUSE: Smithtown, Nesconset, story book ranch, wood shakes, insul., lrg. 4 bdrm., 2 bath, panel, fam. rm. w/firepl., country kit., OHW, 2 zone heat, lndscpd., oak floors, insul., all appli., extras, $45,000. 724-5311.

TIRES; Snows, two 8.55x14 Dunlop, mount. on wheels, used on '66 Bonneville, '71-'72 season, $50. MA 1-4285.

HOUSE: Levittown, 4 bdrm., lrg. liv. rm., rec. rm. 30x13 w/foot bar, screen. porch w/jalosie wndws., newly decorated int., w-w, air cond., all appli., firepl, 60x140 plot, low maintenance, $39,900. 735-6180, after 5 p.m. will rent $390/mo.

TRIUMPH: '59 conv., needs work, ask. $300. 938-0657.

VW: '70, 16,000 mi. orig. owner. WE 5-2738.

VW: '69, auto. stick shift, rear defrost., radio, tape deck, 38,000 mi., $1,150. IV 9-3276.

TABLE: Glass top, wrought iron, 2x5, $20; solid maple seven draw. chest, $50. FO 8-1182.

IGNITION ANALYSER: Model SS 550, complet. rebuilt by Sun Elec. Co., $200. 935-1280.

TIRES: Two snows, used, under 1,000 mi., 735x14/E 78x14, 4 ply, blk. walls, Sears All St., ask. $18. will consider trade for two G78x14 /825x14 snows. CL 1-0913.

PUPPIES: Irish Setter, champ, sired, 6 wks., AKC, shots. JU 1-5328.

CADILLAC: '71 Coupe de Ville, mint cond., fully equip., 25,000 mi., lt. blue, ask. $5,800. 878-2660.

MISC.: Rek-o-kut turntable & arm W/Shure cartridge, $30.; 2 small tape recorders, $10 ea.; 3 ft. diam. solid mable top table, $50. 543-0538.

SEWING MACH.: Singer console w/seat, attach., straight stitch, $20. MA 7-6779, after 6 p.m.

TRUCK: '53 Dodge pick-up, needs work, reason. $150. HR 2-1954, after 6 p.m.

OLDSMOBILE: '71 Custom 88, air cond., low mileage, ask. $3,200. 661-5022, evgs.

BSA: '70, 441 bored, rebuilt, garaged, 300 lbs., $625, will trade for European sports car, Alfro Amaeo. 265-4983.

TIRES: Snows, radial w/tubes. two 155R 15 (for VW or 15 in. rim), approx. 9,500 mi., $25 for both. 724-2496.

BUICK: '60, 2-dr. fully maintained, $90. AN 1-3121, evgs.

BOAT: 40 ft. Bay, flybridge, air clutch, air steer., 225 GM Diesel, $5,000. MO 9-1513, 9-5 p.m.

RANCH: Hicksville, Levittown, 4 bdrm., 1½ bath. sq. kit. w/bay wndw., new roof, alum. side, cyclone fenc., patio, lrg. gar., 100 amp circuit break., fire/burglar alarm, 2½ mi. Pl. 4, n. shop., schools & transp., ask. $33,500. 796-6917.

BOAT: 16 ft. fbgls., Chrysler Charger 183 runabout, 55 hp, elec. start, Chrysler moto, (both '69), navy top, '71 trlr., extras, $1,550. or consider swap. for 18 ft. travel trlr. 427-2680.

CHEVROLET: '64, stick shift, 6 cyl. AN 6-6084.

For Sale

DRUM SET: Morton, 5 pc., blue, incl. bass, tom-tom, snare, 18 in. crash cymbal, 14 in. prof. qual. high hat, $75. 421-1363.

ORGAN: Orcoa elec. chord, 3 octave keyboard, chord & bass keys, walnut cab., $80. IV 9-2297.

MISC.: Conn trumpet, 5 yrs., all attach. & case, ask. $75.; corner desk, 3 legs, 2 draw., $10. 264-5695.

T-BIRD: '67, fully auto., air cond., tires, $795. SU 1-2202.

XMAS TREE: Artificial pline, 10 ft. high, approx. 6 ft. diam., fold up branch., 2 sec. for storage, used once, w/stand,, ask. $65. 665-3758.

PROPERTY: S. Vermont, 1 acre on Rt. 8 opp. Dutch Hill ski area, Alpenwald dev., recreat. area, yr. round swim., sauna, centr., to ski areas, inc. Mt. Snow. HA 7-7344.

RAMBLER: '65 wag., classic 660, auto., R&H, 82,000 mi., $475. 423-7717.

DODGE: '65 Coronet, 4-dr. sedan, fac. air cond., 8 cyl. pwr. steer, auto. trans., snows, new batt., new alternator, $400. 333-2927.

PONTIAC: '70 sta. wag. Catalina 400, 330 hp, duals, turbo-hydr., AM/FM dual spkrs., fac. air. cond., pwr. steer & disc bks., roof rack, pwr. tailgate window, deluxe trim, hvy. duty susp., green, $2,700. JU 1-3988.

OLDSMOBILE: '63 F-85, hdtp., auto., bkt. seats, V8 eng., ask. $250. 694-3198, after 6 p.m.

KARMANN GHIA: '69, red/blk. int., AM/FM radio, $1,050. 724-4199.

AMBASSADOR: '70, air cond., pwr. steer & bks., $1,300. 277-9293.

PONTIAC: '67 Grand Prix, pwr. steer., bks. & wndws., air cond., 2 new mount. snows. 261-8128.

CHRYSLER 300: '66, full pwr., 54,000 mi., orig. owner, reason. 921-4533.

BOAT: 23 ft. Express Cruiser, in water, 125 hp Chrysler Crown, 100 hs., new depth sound. & compass, stand-up-head, galley, 2 lg. bunks, full canvas. AN 1-3696, after 5 p.m.

SAILBOAT: 20 ft., alum. mast, wood hull, outbd. motor, cushions, hand pump, comp. moor. equip. & cradle, dock. lines, anchor, run. lights & 12 v batt., $1,300. 212-767-7271.

BOAT: 26 ft. Gehrlien Skiff, 125 Palmer, hdtp., depth find., compass, $2,100. PY 8-6103.

DIAMOND: Man made, 58 facets, in setting, reason. 475-6129.

CAMERA: 8mm movie & projector, $25.; woman's figure ice skaes, size 9, $10. 914-776-2971.

WASH. MACH.: Fully auto.. Hotpoint 16, 5 yrs., $50. 433-6733.

HEATER: Gas, vent. wall furnace, 28,000 BTU, natural gas, built-in thermostat, recess between wall studs, brand new, ask. $75. 586-0757.

HUMIDIFIER: Portable, Presto Mark 100, auto. humidifier, 12 gal. cap., top discharge, used one season, $25. 757-8527.

T-BIRD: '56, new paint, must sell, best offer. OR 1-3799.

CHEVY: '64 Impala, 2-dr. hdtp., tires, auto., pwr. steer, R&H, $200. 864-3878.

UT. TRUCK: '70 Blazer, f.w.d., V8, 4 sp. trans., posi-loc rear, remov. top, extras. AN 1-3696, after 5 p.m.

MISC.: Skis, poles & bindings, $25; ski buckle boots, size 7½, $15.; Sears Kenmore wash. mach., motor & timer, $14.; antique satin drapes, dbl. width, $20; triple width, $30; two framed mirrors, $10/ea.; corner desk, vanity, $10; std. 30x80 in. wood door, knobs, $10; redwood lawn furn., 6 ft. tbl., 2 benches 2 in. thick, $35. 921-3192, evgs.

MOBILE HOME: '71, cent. a/c, w-w, util. shed, Riverhead area. 727-3131, after 5 p.m.

HOUSE: Fla. waterfront, 6 yrs., 4 bdrm., 2 bath, liv. rm. & din. rm. panel, fam. rm., enc. patio, dbl. gar., cntrl. heat & air, nr. beaches & Patrick AFB; taxes under $400/yr. ($178/mo. incl. tax, int., pri., & ins.) $39,990, or swap, compar value, avail. June '73. E. A. Calvelli, 350 Riverside Ave., Merritt Island, Fla. 32952. 305-452-3057.

FORD: '65 Galaxie 500 XL, conv., 352 V8, 4 bbl., pwr. steer, auto., tint glass, glass rear wndws., new exhaust sy., 2 now on wheel, high mileage, hop manual, $400. 586-8130, after 4:30 p.m.

BOAT TRLR.: Sears, for 14 ft. boat, used once, nv. in water, 4 ply tires, best offer over $125. 586-9441.

TRLR. HITCH: For Volkswagen transporter, $10. 785-5331.

BABY FURN.: Bassett crib & matt., solid maple hi chair, carriage, 2 strollers, car seat, table, elec. feed. dish, tote bag, all $75. 265-1991.

RIMS: 2, 14 in.; 1, 15 in. 724-0743.

For Sale

BOAT: Owens 25 ft. x 10 ft., flybridge, dual control, needs wood work. shelter cabin, 185 hp, V8 '65 Flagship eng., $450. PY 8-5304.

TOYOTA: '70 Mark II, air cond., 38,000 mi. OV 1-0946.

LATHE: Craftsman metal turn., 6 in. swing, 3 jaw univ., chuck, motor. 265-8367, after 6:30 p.m.

EXHAUST SYS.: Stebro free flow, for Volvo 142E & 144E fuel inject. model, adapts to 142S & 144S, $50. 724-7123.

KONICA: Auto. hexanon zoom lens, 80-200/3.5 w/ case, sunshade & filter, pistol grip incl., $250. 724-2496.

HOUSE: Port Jefferson Sta., hi ranch, 4 bdrm., 1½ bath, eat-in-kit., din. rm., dbl. gar., den, w-w, appli., 1/3 acre trees, $28,000. 928-4637.

WNDWS.: Storm, 8 wood, used, various sizes, $15. John Betsch, Ext. 86676.

CHAIR: Barrel-back, tapestry, $25; drum tbl, $15. 931-5229.

SAAB 96: '61, needs bks. & muffler, $125. ED 4-4703, after 5 p.m.

DISH WASH.: Port., GE Mobile Maid, wh., pwr. shower, $80. PR 5-0853.

WHEELS: VW, 4 hole, fit to 71 model, $15/pr. 732-1418.

BICYCLE: Boy's 10-spd., Schwinn Varsity, campus green, 27 in. frame, $50. 661-0483.

SKIS: Bossignol, 207cm, $65.; Hart, 175cm, $50; ski boots, Nordicaa, size 9½, $20; stereo Magnavox AM/FM record chang., $100. WA 1-5838.

CALENDAR of events

Notice of events for period Nov. 13 - Nov. 27 should reach Plane News by Fri., Nov. 3.

Dance Club: Beginners, Tues. evgs., 8:30-10 p.m., St. Francis of Assisi, Northgate & Clay Pitts, Greenlawn; intermed., Thurs. evgs., 8:30-10:30 p.m., Portuguese Amer. Hall, 306 Jericho Tpke., Mineola, $2/session. Len Luke, Ext. 1438.

Ex-Servicemen's Club: Wed., Nov. 8, 7:30 p.m., Plt. 28 audit., reg. mo. mtg.; vets counselor avail. alt. Thurs., 11/2, 11/6, 11/23, Plt. 2. Al Kordula, Ext. 87259.

Family Campers: Sun., Nov. 5, 5 p.m., Plt. 18, gen'l. mtg. & elect. of ofcrs. Bill Lord, Ext. 2914.

Flying Club: Fri., Nov. 10, 5 p.m., Plt. 28 audit, elections. Stan Kalemaris, Ext. 7341.

Instru. Soc. of Amer.: Wed., Nov. 8, 8 p.m., Vanderbilt Planetarium, Centerport, reg. show, "Another View." R. Romaneck, Ext. 2275.

Old Friends Club: Tues., Oct. 31, 7 p.m., Plt. 28, Rm. 1, mo. mtg. Frank Mistretta, Ext. 2683.

Rod & Gun Club: Sun., Oct. 29, Calverton facility, VIP invitational. W. Monahan, Ext. 84214.

Soccer Club: Sun., Oct. 29, 2:30 p.m., Grumman vs Port Jeff. Scotty Mayors, Ext. 2400.

Soc. of Mfg. Engrs.: Mon., Nov 13, 7:30 p.m., Grad. Ctr., Poly tech Inst. of Bklyn, spr. K. B. Morrison on "Value Analysis & Die Cast Design." Dick Knoll, Ext. 84040.

plane GRUMMAN news

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They're celebrating. When the 1,000th Ag-Cat rolled off the line at Schweizer it called for a celebration. Gathered here to commemorate the occasion are Ernest Schweizer, president of Schweizer; Corky Meyer, Paul Schweizer, vice president of Schweizer; Bob Silz; Joe Lippert, Art Koch, Bill Zarkowsky, Bill Schweizer, vice president of Schweizer; Earl Duhame, Sparky Hiestand; George Lundy; and Terrell Kirk (kneeling).

1,000 . . . and still counting

It wasn't ideal weather—on Long Island alone, Mother Nature dumped more than three inches of rain in less than 24 hours—but a small group from Grumman ventured northwest to Elmira, New York, on Oct. 7 to mark open-house ceremonies at Schweizer Aircraft. It was more than an open-house, though; it was also an opportunity to celebrate in a real sense the continuing success of that spunky agricultural bi-plane, the Grumman Ag-Cat.

Since 1959, when the first Ag-Cat darted into the skies, the rugged airplane has proven its worth in a number of ways, not the least being its amazing safety record over the past 13 years. Crop-dusting pilots know they have to fly into some pretty cramped places, and they like to have a plane under them that will fly them out of those areas, too. The Ag-Cat has done the job for them.

The 1,000th Ag-Cat rolled off the assembly line at Schweizer—the firm builds them under contract to Grumman—just in time for the open-house on October 7, and less than a week later it was on its way to do battle against agricultural pests.

So it seemed only fitting that the group from Grumman should include Bill Zarkowsky, Vice Chairman of the Board; Senior Vice President Corky Meyer; Ag-Cat Program Manager Earl Duhame; Joe Lippert, original aerodynamicist on the aircraft; Art Koch, now retired but the first project engineer; Bob Silz, who worked on the first Ag-Cats when they were produced at Bethpage; and George Lundy, assistant program manager. Also assigned to the program at Schweizer from Grumman are Terrell Kirk, Ag-Cat sales supervisor; Jack Mitchell, who assists Terrell; Garland (Sparky) Hiestand, Ag-Cat Service manager; and engineer Bill Phillips.

If you're traveling around the Gulf states, keep your eyes peeled and you're more than likely to see a couple of the more than 500 being flown in the area. But Ag-Cats are not limited to the United States—they have been sold to more than 30 foreign countries.

The rugged bi-plane does more than spray; it has a variety of agricultural roles, including spraying, fertilizing, seeding, and in some instances—like growing rice—the Ag-Cat can do just about everything but harvest the crop. There were 10 Ag-Cats built that first year in 1959; in 1972, approximately 150 will be produced—and bought. That's quite a record!

Eyes on environment

Grumman Aerospace was host on October 26 to the Society of Automotive Engineers Metropolitan Section, with Bill Schwendler Jr., Executive Vice President of Grumman Ecosystems Corporation, the guest speaker. He explained Ecosystems' remote mapping and environmental management programs and showed how aerospace-developed sensing equipment and Earth Resources Technology Satellite (ERTS - 1) data could aid in remote plotting of water quality. He also described the activities of Puritech Industries, an Ecosystems subsidiary, in the area of municipal waste management.

Health Systems honored

Charles B. Kirbow, director of Grumman Health Systems, accepted, on behalf of the Grumman Corporation, an Outstanding Achievement Award presented at the Annual Awards Dinner of the Nassau Heart Association, Inc. at Westbury Manor on October 11.

In presenting the award, Mrs. Catherine G. Stern, President of Nassau Heart Association, Inc., said "In the United States, heart and blood vessel diseases claim more than one million lives each year. No other disease represents such a serious threat. It is to the prevention, detection and control of these diseases that the Heart Association is dedicated.

"Men of vision, committed to a bold program at Grumman, have developed sophisticated equipment, marking one of the most dramatic advances ever employed in open heart surgery. The Operating Room Control Console, which was designed by Grumman Health Systems, represents the highest caliber of human and industrial technology ever brought to bear in the treatment of cardio-vascular disease. In recognition of Grumman's outstanding achievement in the development of this equipment, we take pride in presenting this award to the director of Grumman Health Systems, Mr. Charles B. Kirbow."

North Shore Heart Institute of North Shore Hospital, Manhasset, and the Arizona Heart Institute, St. Joseph's Hospital, Phoenix, Arizona, have found the Grumman Operating Room Control Console invaluable in performing, to date, over 300 cardiovascular operations.

We're honored. Charles Kirbow, director of Health Systems, receives plaque from Philip Munson, Nassau Heart Assoc. Board chairman, and Catherine Stern, president.

Join the group . . .

What is a secretary? That question might get you as many answers as the people you ask, but there's one thing for sure: ask a member of the National Secretaries Association and you'll get a pretty good idea of what a secretary should be—and what she shouldn't be.

If you're interested in finding out more about the professional group—there's a Twin Forks chapter in Suffolk—why not contact Elfriede Merten, a secretary in Flight Safety at Calverton. Elfriede's extension is 435.

Tomcat briefing

Australian Air Commodore Arthur Garrison (Ret.), ex-air attache to the U.S., visited Calverton recently for an F-14 briefing by Chief Test Pilot Chuck Sewell. Garrison is assisting in co-production arrangements for the F-14 in Australia, according to Colin Jupp of Business Development.

Technical post

Charlie Weizenecker of Materials & Processes, Plant 12, has been elected chairman of the Long Island Chapter, American Society for Metals, and Jerry Beaudoin of Quality Control, Plant 10, is the new secretary of the chapter. Weizenecker and a 10-man executive committee (four of them Grumman metallurgists) have planned an active 1972-73 program featuring the educational aspects of materials and production practices. The meetings are open to the public. For information, call him on Ext. 1717.